



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

P5400-200
Job Sheet 172491



Part No: P5400-200

Job Qty: 2 ea

Part Name: Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/20/18

Job Tracking No:

Due Date: 3/29/18

Created By: Chantal Lavoie

Type: Stock

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	2 pcs		3/28/18	0.00	0.00	Purchasing		
120	Packaging	2 pcs		3/28/18	0.00	0.00	Packaging2		
130	QC	2 pcs		3/28/18	0.00	0.00	QC6		
131	Small Fab	2 pcs		3/29/18	0.00	2.00	Small Fab-3		
140	Packaging	2 pcs		3/29/18	0.00	0.00	Packaging3		
150	QC21-FG	2 Ea		3/29/18	0.00	0.00	QC21		

Part Op **110** - -Issue P/O to Tulmar; P/O 09033 -Manufacture as per DWG P5400-200 -Certificate of Conformity is
Descriptions: required

131 - 1-Engrave 1632T22 tags as per DWG sheet 7. 2-Attach first tag using 90177A218 ring to zipper on -39 bag, place second tag in front pocket of -39 bag. 3-Pack bag.

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
P5400-200P	Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)	2 Ea (1 ea)	110-Purchasing	
1632T22	Aluminum Tag 1" X 2" X 0.04"	4 pcs (2 ea)	131-Small Fab	
600.1327P	Long Line Carry Bag	2 pcs (1 ea)	131-Small Fab	
90177A218	Split Ring	4 Ea (2 ea)	131-Small Fab	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	P5400-200P	2	0	0
131-Small Fab	1632T22	4	97	0
	600.1327P	2	34	0
	90177A218	4	100	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



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P5400-200
Job Sheet 172491



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Job Qty: 2 ea

Part Name: Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/20/18

Job Tracking No:

Due Date: 3/29/18

Created By: Chantal Lavoie

Type: Stock

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	2 pcs		3/29/18	0.00	0.00	Purchasing		AT 18/03/22
120	Packaging	2 pcs		3/29/18	0.00	0.00	Packaging2		AT 18/03/22
130	QC	2 pcs		3/29/18	0.00	0.00	QC6		38
140	Packaging	2 pcs		3/29/18	0.00	0.00	Packaging3		9-89
150	QC21-SA	2 Ea		3/29/18	0.00	0.00	QC21		

Part Op 110 - -Issue P/O to Tulmar; P/O 039033 -Manufacture as per DWG P5400-200 -Certificate of Conformity is
Descriptions: required

FEB 20 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
P5400-200P	Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)	2 (1 ea)	110-Purchasing	553918

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	P5400-200P	2	0	0

Part Specifications

Specifications could not be found.

Plex 2/20/18 9:02 AM dart.lavoie.chantal



Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg)

P5400 - 200

PART NO:

Serial No/Batch: S053920

Revision:

Operation:

Change No:

Packaging

Mtg Date: 03/22/18
Job No: 172491

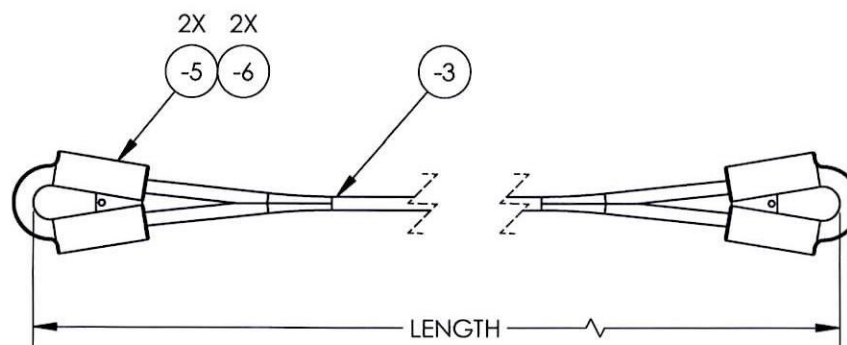
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

TEO ATTACHED

TABLE 1

P####	-## (LENGTH FT.)	-3 (ROPE)	-5 (THIMBLE)
2500	50	3/8" PLASMA® 12 STRAND	G715PC
	100		
	150		
	200		
	CUSTOM		
3000	50	7/16" PLASMA® 12 STRAND	G719PC
	100		
	150		
	200		
	CUSTOM		
4400	50	1/2" PLASMA® 12 STRAND	G719PC
	100		
	150		
	200		
	CUSTOM		
5400	50	9/16" PLASMA® 12 STRAND	G725PC
	100		
	150		
	200		
	CUSTOM		
7300	50	5/8" PLASMA® 12 STRAND	G725PC
	100		
	150		
	200		
	CUSTOM		
9700	50	3/4" PLASMA® 12 STRAND	G735PC
	100		
	150		
	200		
	CUSTOM		
13200	50	7/8" PLASMA® 12 STRAND	G735PC
	100		
	150		
	200		
	CUSTOM		
15700	50	1" PLASMA® 12 STRAND	G745PC
	100		
	150		
	200		
	CUSTOM		



NOTE:

1. CUT AND SPLICE ROPE WITH THIMBLES IN ACCORDANCE WITH THE LONG LINE ASSEMBLY MANUAL AND CUT LENGTH CALCULATOR.

DART AEROSPACE	
TITLE LONG LINE	
DWG NO. P####-##-1	REV 1
MAT'L HEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
DRAWN BY: SM 05/05/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 05/08/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/10/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 05/17/2017	
SCALE 1:6	DATE 5/5/2017 SHEET 2 OF 7

①
LINE/THIMBLE ASSEMBLY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039033**

Supplier: TUL001-VC
Tulmar Safety Systems
1123 Cameron St
Hawkesbury
ON
K6A 2B8 Canada
Phone: 613 632 1282
Fax: 613 632 2030

PO No: PO039033
PO Date: 2/13/18
Due Date: 3/22/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

REVISED

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	P3000-50P			Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg) As per Dwg P3000-50 Rev. 1	Firmed	3/22/18	2 pcs	0 pcs	2 pcs	\$960.00/pcs	\$1,920.00
Line Item Note job# 17121											
2	P3000-100P			Plasma® Long Line 3,000 lbs Safe Work Load (1,350 kg) As per dwg P3000-100 Rev. 1	Firmed	3/22/18	2 Ea	0 Ea	2 Ea	\$1,495.00/Ea	\$2,990.00
Line Item Note job# 171212											
3	P4400-50P			Plasma® Long Line 4,400 lbs Safe Work Load (2,000 kg) As Per Dwg P4400-50 Rev. 1	Firmed	3/22/18	2 pcs	0 pcs	2 pcs	\$1,070.00/pcs	\$2,140.00
Line Item Note job# 171213											
4	P4400-100P			Plasma® Long Line 4,400 lbs Safe Work Load (2,000 kg) As Per Dwg P4400-100 Rev. 1	Firmed	3/22/18	2 Ea	0 Ea	2 Ea	\$1,705.00/Ea	\$3,410.00
Line Item Note job# 171214											
5	P5400-200P			Plasma® Long Line 5,400 lbs Safe Work Load (2,500 kg) As Per Dwg P5400-200 Rev. 1	Firmed	3/22/18	2 Ea	0 Ea	2 Ea	\$3,075.00/Ea	\$6,150.00
Line Item Note job# 172491											

PURCHASE ORDER

Items											
Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	P4400-200-JAAZZ			200' Plasma Long Line 4,400lb Safe Work Load - Custom -Issue P/O to Tulmar; P/O -Manufacture as per DWG P4400-200-JAAZZ -Certificate of Conformity is required ***Dart to supply P4400-200-JAAZZ-5-J thimble*** J: blt with 5/8" pear ring on both ends A: jacket stile standard A: end return style standard Z: no electrical Z: no plug	Firmed	3/22/18	1 pcs	0 pcs	1 pcs	\$2.00/pcs	\$2.00
										Grand Total:	\$16,612.00
Order Notes											
Procurement Quality Clauses A005 RIGHT OF ENTRY A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE) A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE) A026 CERTIFICATION OF MATERIAL CONFORMANCE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM A049 SUPPLIER AWARENESS Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.											

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9-89

Plex 3/15/18 2:42 PM dart.lavoie.chantal

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page

62954 1

Ship Date
3/20/2018

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Order number 35744	Sales order date 2/20/2018	Account number CDART100	Loc H	Account manager Francine Bigras
PO number 039033	Ship via Pick-Up	Shipping Terms FOB ORIGIN		
Item No. Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
PICK UP 87348-002 Long Line, 200ft, 9/16" Plasma Drawing No: P5400-200 + TEO17-741 DWG Rev: 1 SF = 44611	2.00	EA	2.00	
Lot no.: BATCH0000000001	2.00			

Certificate of Conformance

☐ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 225.

Authorized Inspector



Date:

MAR 20 2018